

Dianne R. Nielson, Ph.D.

Division Director

State of Utah DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

DOGM MINERALS PROGRAM FILE COPY

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

January 23, 1990

Mr. Joe D. Bierschied San Rafael Energy Corporation P. O. Box 398 Moab, Utah 84532

Dear Mr. Bierschied:

Re: Reclamation Surety Estimates for the Happy Jack and Radium King Sites, M/037/024 and M/037/007, San Juan County, Utah

I have enclosed copies of the Division's most recent cost estimates for the two sites mentioned above. These costs represent the cost to the Division if we were to do the reclamation. Your costs would, no doubt, be lower. Please review these estimates. If you feel there are some gross miscalculations, don't hesitate to bring them to my attention.

Sincerely,

Holland Shepherd

Reclamation Specialist/Permit Lead

jb Enclosure cc: Wayne Hedberg Tony Gallegos MN5/175

Reclamation Estimate for Happy Jack Mine M/037/024

Prepared By Utah State Division of Oil, Gas and Mining January 17, 1990

Quantity	Unit	\$/Unit	Total Cost (\$)
8	Acres	300 100 400 447 800	\$1,800 \$1,000 \$3,200 \$4,470 \$1,600
			\$12,070
			\$12,070 \$1,210
			\$13,280
1.93% Ann	ual Inflation		\$14,000
Quantity	Unit	\$/Unit	Cost (\$)
100 20 2	Pounds Pounds Tons	0.25 9 50	25 * 180 - 100 x
3.0 0.3 0.5 0.5	Hours Hours Hours Hours Hours	24 67 24 24 67	72 23 12 12 23
			142
	1.93% Annotate 1.93% Annotate 1.93% Annotate 1.900 (3 gr Quantity 100 20 2 3.0 0.3 0.5 0.5 0.5	6 Each Portal 10 Acres 8 Acres 10 Acres 2 Acres 1.93% Annual Inflation 1992 (3 growing season Quantity Unit 100 Pounds 20 Pounds 2 Tons 3.0 Hours 0.3 Hours 0.5 Hours 0.5 Hours 0.5 Hours 0.5 Hours	6 Each Portal 300 10 Acres 100 8 Acres 400 10 Acres 447 2 Acres 800 1.93% Annual Inflation 1992 (3 growing seasons). Quantity Unit \$/Unit 100 Pounds 9.25 20 Pounds 9 2 Tons 50 3.0 Hours 50 3.0 Hours 67 0.5 Hours 24 0.5 Hours 24 0.5 Hours 24 0.5 Hours 24